

WNYRIC Standards List as of December 2016

**Includes Instructional Technology (CSLO) Peripheral devices, for example: video cameras, digital cameras, document cameras, handheld devices, tablets, projectors etc.*

***At least 2 districts from 2 separate BOCES must complete an Add Form for categories Communications Equipment and VoIP. Both districts must complete a Proof of Concept and report back to the Standards Committee.*

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Category: **1. Computers**

<i>Sub Category</i>	<i>Item</i>	<i>Comments</i>
A. Desktop B. Laptop C. Tablet D. Chromebook		
A, B, C	Apple	
A, B, C, D	Acer	
	Dell	
	HP	
	Lenovo	
	Sony	
	Toshiba	
B, C, D	Microsoft	
C, D	Asus	

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Category: 2. Operating Systems

<i>Sub Category</i>	<i>Item</i>	<i>Comments</i>
A. Network	Linux	Red Hat Version 7.X or newer Ubuntu
	Mac OS X Server	
	Novell	
	VMWare	Infrastructure 4 (or newer)
	Windows 2008 and newer	Windows 2003-NNI (End of life June 14, 2013) Includes MS Hyper V
B. Workstations	Chrome OS	
	Linux	Red Hat Version 7.X or newer Ubuntu
	Mac OS X	
	Thin Zero Client	
	Windows 7 and newer	Any Non-Pro version of 8 not allowed if equipment is expected to connect to the network.
	Windows Vista	Not recommended-NNI

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C. Tablets

Android 3.1 (or above)

OS, Applications and Hardware capability must be verified by Michelle Okal or Jan Mathis prior to purchase

iOS4.1 (or above)

OS, Applications and Hardware capability must be verified by Michelle Okal or Jan Mathis prior to purchase

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Category: **3. Internet Browsers**

<i>Sub Category</i>	<i>Item</i>	<i>Comments</i>
	Chrome	
	Firefox	
	Internet Explorer	IE 8.0 and newer
	Safari	

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Category: 4. NIC Cards

<i>Sub Category</i>	<i>Item</i>	<i>Comments</i>
A. Ethernet 10/ 100 / Gig E / wireless/10 gig	OEM	by PC manufacturer on Standards List; Dual Band Recommended

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Category: **5. Plotters**

<i>Sub Category</i>	<i>Item</i>	<i>Comments</i>
	HP	Specific services only

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Category: **6. Printers**

<i>Sub Category</i>	<i>Item</i>	<i>Comments</i>
A. 3D	The current bid number is B16-TDP519	https://main.wnyric.org/doc/Erie1Coo.nsf
B. High Speed Networked Digital	Canon	Selected models that are listed on the Erie 1 BOCES bid #B15-DP0520 https://main.wnyric.org/doc/Erie1Coo.nsf
	Konica-Minolta	Selected models that are listed on the Erie 1 BOCES bid #B15-DP0520 https://main.wnyric.org/doc/Erie1Coo.nsf
	Kyocera Mita	Selected models that are listed on the Erie 1 BOCES bid #B15-DP0520 https://main.wnyric.org/doc/Erie1Coo.nsf
	Panasonic	Selected models that are listed on the Erie 1 BOCES bid #B15-DP0520 https://main.wnyric.org/doc/Erie1Coo.nsf
	Ricoh	Selected models that are listed on the Erie 1 BOCES bid #B15-DP0520 https://main.wnyric.org/doc/Erie1Coo.nsf
	Sharp	Selected models that are listed on the Erie 1 BOCES bid #B15-DP0520 https://main.wnyric.org/doc/Erie1Coo.nsf
	Toshiba	Selected models that are listed on the Erie 1 BOCES bid #B15-DP0520 https://main.wnyric.org/doc/Erie1Coo.nsf

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C. Standard	Dell	
	Epson	
	HP	
	Lexmark	
	Okidata	
	PTM Document Systems	Print to mail units for Standards supported printers
	Ricoh	
	Xerox	
D	Samsung	Chromebook only

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Category: **7. Scanners**

<i>Sub Category</i>	<i>Item</i>	<i>Comments</i>
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Others as required or recommended by
specific supported services/applications

Canon

HP

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Category: **8. Software**

<i>Sub Category</i>	<i>Item</i>	<i>Comments</i>
A. Anti Theft/Data Protection	Absolute Computrace	
B. Collaborative Software	Exchange	
	Lotus Notes	
C. Desktop Image Protection	Deep Freeze	Refer to WNYRIC End Point Management Best Practices
	ZenWorks	Refer to WNYRIC End Point Management Best Practices
D. Desktop Imaging	Symantec Ghost	
E. Malware Protection	Computer Associates	
	McAfee	
	Microsoft Endpoint Protection	
	Sophos	
	Symantec	
F. Office Productivity	File Maker Pro	

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F. Office Productivity	Microsoft Office Suite	Or its components
	OpenOffice	
G. Printer Management	Papercut MF	
	Print Manager Plus	
H. Terminal Servers	Citrix	
	Microsoft	

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Category: **9. Servers**

<i>Sub Category</i>	<i>Item</i>	<i>Comments</i>
A. Standard	Apple	NNI
	Dell	
	HP	
	Lenovo	
	Nexlink	Seneca Data-NNI
B. SAN	Dell/Equallogic Storage Solutions	
	HP/Lefthand Storage Works	

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Category: **10. Server Back Up**

<i>Sub Category</i>	<i>Item</i>	<i>Comments</i>
A. Hardware	Exagrid	
	IdealStor Backup Appliance Hardware Solutions	Hardware only: Teralyte, FraneNAS, and the IdealStor Backup appliance - excludes iBac product
	Tape Backup as recommended by server manufacturer	
B. Software	ARCServ	
	Backup Exec	
	NovaStor	
	Paragon Backup and Restore	
	Retrospect MAC OSX	
	Veeam Backup and Replication	
	Yosemite/Novanet	

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Category: **11. UPS**

Sub Category

Item

Comments

APC

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Category: **12. Virtualization**

<i>Sub Category</i>	<i>Item</i>	<i>Comments</i>
A. Desktop Application	Oracle Virtual Box	
	Parallel	
	Spoon Virtual Application Studio	
	VMWare Fusion	
B. Private Cloud	Classlink- Launchpad	
	WebNetwork- Stoneware	
C. Workstations	nComputing	

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Category: *13. Communications Equipment***

<i>Sub Category</i>	<i>Item</i>	<i>Comments</i>
A. Routers/Switches	Avaya Systems	
	Cisco	
	Cisco Meraki Cloud Managed Switch Gear	Must consult with WNYRIC WAN Senior Engineer prior to purchase.
B. Wireless Access Points	Apple	
	Aruba	
	Avaya-Nortel Systems	
	Cisco	
	Meraki/Cisco	
	MERU	
C. Wireless Bridge	LigoWare	
	Ubiquiti	

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Category: 14. VoIP**

<i>Sub Category</i>	<i>Item</i>	<i>Comments</i>
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Avaya

Cisco

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Category: 15. Video Conferencing

<i>Sub Category</i>	<i>Item</i>	<i>Comments</i>
A. Hardware Appliance Based	Cisco Tandberg Videoconferencing	
	Polycom Videoconferencing	
B. Software Based		

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Category: **16. Network Optimization**

<i>Sub Category</i>	<i>Item</i>	<i>Comments</i>
	Veloxum	NNI
	Vmware Vcenter Operations Manager	

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Category: *17. End Point Management*

<i>Sub Category</i>	<i>Item</i>	<i>Comments</i>
	Faronics Deep Freeze Cloud Connector	
	IBM TEM	Tivioli Endpoint Management
	Impero	Accessible on local network only
	JAMF Casper Suite	
	Lansweeper	
	SCCM	2013 SP1 and newer